

RADU, Ye.M.

Action of antibiotics (penicillin, streptomycin and levomycetin)
on the macro-organism. Antibiotiki 6 no.8:686-692 Ag '61.

(MIRA 15:6)

1. Kafedra farmakologii Kishinevskogo meditsinskogo instituta
(zav. - prof. V.M. Chernov).

(PENICILLIN) (STREPTOMYCIN) (LEVOMYCETIN)

ARAMA, Constantin, prof., ing.; RADU-CERNEA, A., conf. ing.

Normal combustion in spark ignition motors. II. Metalurgia constr
mas 8 no.11:956-966 N '61.

(Spark plugs) (Combustion)

RADU-CERNEA, Adrian; FAGARASANU, Ioan

Influence of some functional and structural factors on the slackening limit of the combustible mixture in the engines with electric spark ignition. Studii cerc energet B 12 no.2:209-219 '62.

RADU-CERNIA, A.; APOITAN, S.

Influence of turbulence in directed flow on the mechanical
octane number. Bul Inst Petrol Rum 9:103-113 '63.

ADU-CERNEA, A.

Influence of advance on starting the electric spark on
the propagation speed of flame in normal motor combustion.
Bul Inst Petrol Rum 9; 155-159 '63.

RADU-CERNEA, A.; BODNARESCU, R.; WASSERSTROM, E.

Nomogram for the calculation of some kinematic functions used
in designing internal combustion engines. Bul Inst Petrol
Rum no. 10:141-149 '63.

RADU-CERNEA, A.

A method for obtaining mean indicator diagrams of spark
ignition engines. Bul Inst Petrol Rum no. 10:193-197 '63.

RADU-CERNEA, A., conf. ing.

Aspects of turbulence influence on flame propagation velocity
in spark ignition engines. Constr mass 15 no.6:421-422 Je '63.

L 49209-65

ACCESSION NR: AP5015373

RJ/0018/61/000/008/0123/0126

5
B

AUTHOR: Radu-Cernea, Adrian; Dobrinescu, D.

TITLE: Method of calculating the air excess and mixture ratio based on the data supplied by electric analyzers

SOURCE: Constructia de masini, no. 8, 1964, 423-426

TOPIC TAGS: combustion engineering, air breathing propulsion

Abstract [Authors' English summary modified]: The authors describe a simple and rapid method of calculating the air excess and mixture ratios by using the data obtained by electric analyzers from the exhaust gases, and present some nomographs for the direct reading of the required values.

Orig. art. has 2 graphs and 1 table.

ASSOCIATION: none

SUBMITTED: 00
NO REF SOV: 001

ENCL: 00
OTHER: 005

SUB CODE: PR
JPRS

Card 1/1 *W*

RADU-CERNEA, Adrian, conf. ing.

Contributions to the study of the influence of fuel
mixture composition on the combustion process in engines
with ignition. Rev transport 11 no. 1: 21-27 Ja '64.

1. Adm. ...

... based
... no.8:
...

RADU-CERNEA, A., ing.

Influence of fuel nature on the combustion process in spark
ignition engines. Petrol si gaze 15 no. 4:196-198 Ap '64.

HAGI-PARASCHIV, A., assist. prof.; SIMIONESCU, Vasilica; NICULESCU, St. I.;
JOANDREA, Claudia; RADU-LEAHU, Sorina; STROESCU, N.

Histologic data on the macula densa in the nephron. Rumanian M Rev.
no.4:9-14 '61.

(KIDNEY anat. & histol.)

RADU-PAUN, Gheorghiu

Portal encephalopathy. Med. int., Bucur. 9 no.7:1021-1033 July 57.

1. Clinica I medicala, director: acad. N. Gh. Lupu.

(BRAIN, diseases

portal encephalopathy resembling hepatic coma, pathogen.
& differ diag.)

(HEPATIC COMA, differ. diag.

portal encephalopathy)

GORYUNOVA, N.A.; RADUATSAN, S.I.

Solid solutions in the InAs - In₂Se₃. Zhur. tekhn. fiz. 28 no.9:
1917-1921 S '58. (MIRA 11:10)

1. Leningradskiy fiziko-tekhnicheskii institut AN SSSR.
(Solutions, Solid) (Systems (Chemistry))

E

Country : RUMANIA
Category: Analytical Chemistry. Analysis of Inorganic
Substances

Abs Jour: RZhKhim., No 17, 1959, No. 60507

(1:5), boiled and diluted with water up to 250 ml volume. In the gravimetric determination of Zn, to 100 ml of the obtained solution are added 10 ml of conc. HCl and 50 ml of 16% hydrocyanic acid, keeping the solution for 30 minutes on a steam bath at 85°. The precipitated residue obtained after cooling is filtered out on a filtering crucible No 3, washed first with 2% HCl solution that contains 5% of hydrocyanic acid, and then 2-3 times with ethanol, and dried at 110-120°. The calculating factor for ZrO_2 is equal to 1772. For the photometric determination of Zr, from the primary solution (obtained in

Card : 2/4

E-12

E

Country : RUMANIA
Category: Analytical Chemistry. Analysis of Inorganic
Substances

Abs Jour: RZhKhim., No 17, 1959, No. 60507

dissolving the raw sample) two 10 ml samples are taken to each of them 2 ml of 25% solution of $\text{NH}_2\text{OH} \cdot \text{HCl}$ are added. The samples are then heated for 2.3 [sic] minutes on a water bath (in so doing the samples become colorless), cooled, followed by the addition of 2.5 ml of 10% HCl . Then to one of the samples is added 1 ml of 0.05 M solution of complexon III (for the masking of Zr). 5 ml of 0.1% solution of alizarine red are then added to both samples followed by keeping samples on a water bath for 3 minutes, cooling, diluting with water up to 50 ml

Card : 3/4

COUNTRY : Ruzania
CATEGORY :

h-12

ABS. JOUR. : AZKhim., No. 22 1980, No.

79193

AUTHOR :
TITLE :

ORIG. PUB. :

ABSTRACT : electrolysis, during which the active chlorine evolved at the anode oxidized the organic impurities in D, the samples were filtered, washed, dried at 120°, and sintered in an electric furnace at 900-1,000°. The authors were able to increase the degree of whiteness of the D treated by the above process to 75%, measured with a spherical Pelfrich reflectometer. In the electroreduction of the D, the space bounded by the inner diaphragm was used as the cathode compartment. The electro-

REF: 2/3

RADUCANU, C.

COUNTRY:	: Rumania	H-30
CATEGORY	:	
ABS. JOUR.	: RZKhim., No. 5 1960, No.	20238
AUTHOR	: Gruder, G., Nicu, I., Giurcanu, I., and Raducanu, C.	
INSE.	: Not given	
TITLE	: The Complex Utilization of Alluvial Sands in the RPR. Communication II. The Production of Titanium Whites in an Experimental Plant.	
ORIG. PUB.	: Rev Chim, 9, No 7-8, 382-386, Discussion 386 (1958)	
ABSTRACT	Ilmenite concentrates free of SiO_2 and concentrates containing up to 15% SiO_2 which have not been treated by the electromagnetic process were tested in a pilot plant in the RPR. It has been established that Rumanian ilmenites, even when they contain silica, can be used as raw material in the industrial production of TiO_2 of up to 99% purity. For Communication I see RZKhim, 1958, No 3, 7467. B. Shemyakin	
CARD:	1/1	

L 64816-65 EPF(c)/EWP(j) RM

ACCESSION NR: APE023226

RJ/0003/64/015/010/0601/0607

AUTHOR: Popa, C.; Raducanu, C.; Stefanescu, Amelia

TITLE: Single-phase production of hexachlorobenzene from the inert isomers of hexachlorocyclohexane

SOURCE: Revista de chimie, v. 15, no 10, 1964, 601-607

TOPIC TAGS: isomer, chlorinated organic compound, chlorobenzene, cyclohexane

ABSTRACT:

With a view to the industrial conversion of the inert isomers of hexachlorocyclohexane to hexachlorobenzene, used as a fungicide or an intermediate product in producing pentachlorophenol, the authors studied the oxidation of hexachlorohexane with chlorosulphonic acid, the chlorination of inert isomers with chlorine in the melted phase, and the chlorination of active hexachlorohexane with chlorine in the gaseous phase. They found that the two latter techniques are industrially usable, giving high yields and products of high purity, and that the last one is also very productive. Orig. art. has: 9 tables, 6 formulas, 5 graphs, 1 figure.

Card 1/2

L 64816-65

ACCESSION NR: AP5023226

ASSOCIATION: none

SUBMITTED: 00

NR REF SOV: 000

ENCL: 00

OTHER: 030

SUB CODE: 00, 00

JPRS

MLR
Card 2/2

RADUCANU, P.

61. Colorimetric determination of large amounts of silica. R. Petcov and G. Raducanu. *Rev. Chim., Bucharest*, 1957, 8 (2), 259. The determination of SiO_2 as molybdosillicic acid (I) depends on all of I being present in the form of the α -acid, i.e., under conditions where $(\text{H}^+)/(\text{MoO}_4^{2-}) = 1.5$ to 2. If the relation is > 3 , then the β -acid is formed. Procedure—The finely powdered material to be determined (0.2 g) is spread on a solidifying melt of 8 g of KOH and 3 g of KNO_3 in a nickel crucible. The crucible is heated at redness (600°) for 20 min., and, after cooling, the contents are dissolved in boiling water and made up to 1 litre. A 10-ml aliquot is treated with 1.5 ml of 2 N HCl and 2 ml of NaF soln. (2.5%). To remove excess of F, 0.3 g of AlCl_3 (cryst.) is added after 10 min. and mixed well and, when the AlCl_3 is dissolved, 3 ml of ammonium molybdate soln. (5%) is added. The soln. is made up to 100 ml and the colour is measured after 15 min., with a 1-cm cell and S43 filter, or the soln. can be compared with standard picric acid (0.6 g per litre; 1 ml = 1 mg of SiO_2). The advantages claimed for this method are rapidity (30 min.), and the fact that it does not require a platinum crucible. The max. error is $\pm 4.6\%$.

3
4E3d-1

1/1

POPESCU, Pascal, ing.; RADUCANU, Georgeta, ing.; ZEGA, Rodica, ing.

Shiny galvanic coverings and their uses in radiotechniques.
Telecomunicatii 6 no.2:71-78 Mr-Ap '62.

RUMANIA

COCUZ, N., Pharmacist, Col, OPRESCU, C., Pharmacist, Lt-Col,
RADUCANU, Dumitru, Pharmacist, Lt-Col, STEFANESCU, N., Dr, Lt-Col,
and DOCEA, Silvia, Pharmacist [affiliation not given]

" 'Colodal' -- a New Pharmaceutical Product Used in the Treatment
of Ulcerous Diseases."

Bucharest, Revista Sanitara Militara, Vol 62, No 2, Mar-Apr 66,
pp 325-328.

Abstract: The authors describe a newly developed product, a
colloidal gel with a protective, neutralizing and antacid acti-
vity. The product is well tolerated by the organism and has very
few contraindications. It contains aluminum and magnesium
hydroxide, carbonic calcium, xylene base, a sweetening agent
and an aromatic agent.

Includes one table. -- Manuscript submitted 30 October 1965.

HAGYMAS, Gh.; FIROIU, C.; PADUCANU, I.

Cathodic polarization and conditions for the formation of cobalt electrolytic powder. Studii cerc chimie 10 no.2:251-265 '62.

1. Institutul politehnic, Catedra de electrochimie si chimie fizica, Bucuresti.

FIROIU, C.; RADUCANU, I.; HAGYMAS, Gh.

Electrolytic obtention of elementary fluorine. Rev chimie Min
petr 13 no.7:395-400 J1 '62.

HAGYMAS, Gh.; FIROIU, C.; RADUCANU, I.

Obtention of cobalt trifluoride by direct synthesis. Rev chimie
Min petr 13 no.12:760 D '62.

1. Laboratorul de electrochimie Institutul Politehnic, Bucuresti.

IADUCANU, I., PASIL, T.

Contributions to the study of the corrosion of mining
equipment used for coal containing sulfur. Bul Inst Politeh
25 no.1:53-61 Jan-F '64.

1. Chair of Electrochemistry, Polytechnic Institute,
Bucharest.

RAKOVNIK, A. A.

Rakovnik, A. A. - "On the problem of identification of coal beds," Izvestiya
Issue 5, 1947, p. 52-57.

cc: 1-331, 16 June 53, (Letopis 'Zhurnal 'nykh Staty, No. 5, 1949).

RADUGIN, A. A. and A. S. SMIRNOV

Nekotorye voprosy konstruirovaniia litykh detalei. (Vestn. Mash., 1950, no. 9, p. 22-23)

Some problems concerning the design of cast machine parts.

DLC: TN4.V4

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

SMIRNOV, A.S.; RADUGIN, A.A., inzhener.

Constructive shaping of part elements from plastic material.
Vest.mash.34 no.1:39-42 Ja '54. (MLRA 7:2)
(Mechanical engineering)

SMIRNOV, Aleksey Sergeyevich; RADUGIN, Aleksey Aleksandrovich; ZOTKIN,
A.P., otv.red.; LEVOCHKINA, L.I., tekhn.red.

[Efficient designing of molds and dies] Opyt skorostnogo
proektirovaniia pressform i shtampov. Leningrad, Gos.soiuznoe
izd-vo sudostroitel.promyshl., 1958. 138 p. (MIRA 12:4)
(Plastics)

KISEL'NIKOV, V.M.: RAUGIN, O.A.

Textile Finishing

Ways of diminishing stretching on dressing machines. Tekst. prom. 12 no. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, April 1952. UNCLASSIFIED

RADUGIN, K.B.

Application of promedole as a spasmolytic drug in esophagoscopy.
Vest.oto-rin. 16 no.2:68-70 Mr-Apr '54. (MLRA 7:6)

1. Iz kliniki bolezney ukha, gorla i nosa (dir. prof. M.I.Vol'f-kovich) Saratovskogo meditsinskogo instituta.

(MUSCLE RELAXANTS,

*promedol in esophagoscopy)

(ESOPHAGOSCOPY,

*spasmolytic promedol in)

Rudugin K.B.
USSR/Human and Animal Physiology - Excretion.

v-6

Abs Jour : Ref Zhur - Biol., No 2, 1958, 8702

Author : K.B. Radugin

Inst : The State Ear Nose and Throat Institute,

Title : The Influence of Tracheal and Laryngeal Stenoses on the
Function of the Kidneys.

Orig Pub : Tr. Gos. n.-i. in-ta ukha, gorla i nosa, 1956, No 7, 136-
145

Abstract : Diuresis and glomerular filtration with a water-milk load
and the influence of acute or chronic tracheal stenosis
on these properties were determined in 4 dogs with ureters
clearly exposed under the skin. The duration of stenosis
was from several minutes to 85 days. In the case of tra-
cheal stenoses of short duration (5-7 minutes) there was
a reduction in the glomerular filtration and diuresis

Card 1/2

RADUGIN, K. B., Cand Med Sci -- (diss) "Effect of difficulty
in external respiration ^{by tracheal and laryngeal stenosis} ~~in stenoses of the trachea and larynx~~
upon ^{the} urinary function of the kidneys." Mos, 1957. 11 pp
(Min of Health RSFSR, Mos Med Stomatological Inst), 200
copies (KL, 52-57, 112)

- 124 -

EXCERPTA MEDICA Sec 2 Vol 12/5 Physiology May 59

1846. EFFECT OF DISTURBANCE OF EXTERNAL RESPIRATION ON URINE
SECRETION BY THE KIDNEYS (Russian text) - Radugin K. B. -
BYULL. EKSPER. BIOL. I MED. 1958. 45/5 (39-44) Graphs 3

Experiments were performed on dogs with ureters led out under the skin by the Pavlov-Orbely method. Urine formation was studied in conditions of embarrassment of external respiration in tracheal and laryngeal stenoses of various severity, lasting from several minutes to a few hours. Reaction of the kidney to stenosis depends on the length and severity of the latter, as well as on the functional state of the kidneys when the experiment was started. The peculiarities of the renal compensatory reaction to the embarrassment of external respiration were demonstrated. These characteristic features depended on the degree of functional strain of the kidneys and thus on the oxygen requirement of the renal tissue. (II, 6*)

RADUGIN, K.B.

Effects of disorders of external respiration on urine secretion
by the kidneys [with summary in English]. Biul.eksp.biol. i
med. 45 no.5:39-44 My '58 (MIRA 11:6)

1. Iz laboratorii patofiziologii (zav. - kand.med.nauk B.M.
Sagalovich) Gosudarstvenogo nauchno-issledovatel'skogo instituta
ukha, gorla i nosa Ministerstva zdravookhraneniya RSFSR (dir.
-zasluzhennyy deytale' nauki prof. V.K. Trutnev). Predstavlena
deystvitel'nym chlenom AMN SSSR V.N. Chernigovskim.

(ASPHYXIA, experimental,
eff. on urination (Rus))
(URINATION, physiology,
eff. of exper. asphyxia (Rus))

BOGDANOVA, T.V.; RADUGIN, K.B.

Use of tympanoplasty in chronic suppurative otitis media.
Trudy gos. nauch.-issl. inst. ukha, gorla i nosa no.11:212-222
'59. (MIRA 15:6)

1. Iz klinicheskogo otdeleniya Gosudarstvennogo nauchno-
issledovatel'skogo instituta ukha, gorla i nosa.
(EAR—DISEASES)
(TYMPANAL ORGAN—SURGERY)

ca

PROCESSES AND PROPERTIES

The Ivanovskii deposits of Cambrian carbonate ores of manganese. K. V. Rudugin. *Vestnik Zapadno-Sibirskogo Geol. Ucheniya* 1939, No. 5, p. 15. *Khim. Referat Zhur.* 1940, No. 7, 15. The deposits are situated along the U river (a tributary of Tom river) near the Upper Ivanovskii mine. They were found only recently, although pyrolusite and psilomelane gravels have been known to exist in this region since 1931. The deposits consist of various sedimentary, metamorphic and eruptive minerals ranging from the Archaean age to contemporary deposits. The ore formation is represented by rich Mn carbonate deposits ("tustes" according to R.), supposedly of Cambrian age. The typical deposits are dense carbonate formations resembling limestone and dolomite in their appearance and contg. up to 32.4% of Mn, mainly in the form of rhodochrosite. Pyrolusite and psilomelane are found on the surface and along the creeks. The ore suites contain also limestone like and silicious shales contg. from 9 to 17.25% of Mn. Analyses of typical ore gave: Mn 32.25-33.7, S 0.01-0.02, P 0.23, SiO₂ 9.5-15.3, FeO, 0.7-7.9, Al₂O₃ 0.5-0.6, CaO 3.5-5.3 and MgO 2.2-3.2%. The estimated reserves of the deposits exceed 100 million tons of ore. Conditions for the exploitation of the ore are favorable. The deposits can supply sufficient Mn not only for the metallurgical plants of Siberia and in the Urals, but also for export. W. R. Henn

ASH 30.4 METALLURGICAL LITERATURE CLASSIFICATION

CA

Ivanov, West Siberian, manganese-ore deposits. K. V. Radugin. *Soviet Geol.* 1941, No. 3, 61-74; cf. C. A. 36:5445. The manganese-calcite deposits contain much org. fossil material, up to 40% Mn, 0.01-0.33% S, 0.03-0.15% P, 2-40% SiO₂, 7-10% Fe₂O₃, 3-6% CaO and 2-7% MgO. F. H. Rathmann

ASME-SDA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R0013439

RADUGIN, K. V.

42122 RADUGIN, K. V. - Itogi I zadachi izucheniya drevnego Kembriya Idokezbiya Zapadnoy Sibiri. Trudy Gornogeol. In-ta (Akad. Nauk SSSR, Zap.-Sib. Filial), VYP. 2, 1948, c 17-39

SC: Letopis' Zhurnal'nykh Statey. Vol. 47, 1946

Ministry of Geology Inst. SB AFIL, Moscow

RADUGIN, K.V.

Gornaya Shoriya, Kuznetsk Ala-Tau, and the western part of
Eastern Sayan. Trudy lab.geol.dokem. no.1:58-83 '52. (MLRA 7:2)
(Gornaya Shoriya--Geology) (Geology--Gornaya Shoriya)
(Kuznetsk Ala-Tau--Geology) (Geology--Kuznetsk Ala-Tau)
(Sayan Mountains--Geology) (Geology--Sayan Mountains)

RADUGIN, K. V.

Enigmatic Pebbles in the Carboniferous of the City of Tomsk

The author points to the presence in the marine Visay sandstones in the neighborhood of the city of Tomsk of unique quartz and silicite pebbles. The remoteness of the region from the coastal line at this time forces one to assume that the pebbles were brought by some buoyant objects or other (plants). The problem of the source of these pebbles cannot be considered conclusively clarified and requires, in the author's opinion, additional investigations. (RZhGeol, No. 5, 1955). Tr. Tomskogo un-ta, Ser. Geol. 132, 1954, 233 - 234.

SO: Sum. No. 744, 8 Dec 55 - Supplementary Survey of Soviet Scientific Abstracts (17)

15-57-4-4099

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 4,
p 6 (USSR)

AUTHOR: Radugin, K. V.

TITLE: The Cambrian of the Krasnoyarsk Ridge (Kermbriy
Krasnoyarskogo kryazha)

PERIODICAL: V sb: Vorposy geologii Azii. Vol 1, Moscow, Izd-vo
AN SSSR, 1954, pp 332-342.

ABSTRACT: Bibliographic entry

Card 1/1

RADUGIN, K.V.; BELOUSOV, A.F.

Association of Torgashino limestones with old formations in
the Krasnoyarsk Ridge. Trudy Gor.-geol.inst.zap.--Sib.fil.AN
SSSR no.17:39-48 '56. (MIRA 13:5)
(Krasnoyarsk region--Limestone)

RADUGIN, K.V.

Find of new fossils in the lower Cambrian of the Eastern Sayan
Mountains. Trudy Gor.-geol.inst.zap.-Sib.fil.AN SSSR no.17:
201-202 '56. (MIRA 13:5)
(Sayan Mountains--Paleontology)

RADUGIN, K.V.

One of the criteria in prospecting for "blind- ore bodies. Izv.
vys.ucheb.zav.; geol. i razv. 1 no.5:123-124 My '58. (MIRA 12:2)

1. Tomskiy politekhnicheskii institut.
(Ore deposits) (Prospecting)

RADUGIN, K.V.

Upper Proterozoic is the era of filamentous algae. Nauch.dokl.vys.
shkoly; geol.-geog.nauki no.1:58 '59. (MIRA 12:6)

1. Tomskiy universitet, geologo-geograficheskiy fakul'tet, kafedra
istoricheskoy geologii i paleontologii.
(Algae, Fossil)

RADUGIN, K.V.

Structure of Siberian-type platforms. Nauch.dokl.vys.shkoly;
geol.-geog.nauki no.1:59 '59. (MIRA 12:6)

1. Tomskiy universitet, geologo-geograficheskiy fakul'tet, kafedra
istoricheskoy geologii i paleontologii.
(Geology, Structural)

RADUGIN, K.V.

Unconformity between the Cambrian and Pre-Cambrian in the north-western part of the Eastern Sayan Mountains. Izv.vys.ucheb.zav.; geol.i razv. 2 no.8:145-146 Ag '59. (MIRA 13:4)

1. Tomskiy gosudarstvennyy universitet.
(Sayan Mountains--Geology, Stratigraphic)

RADUGIN, K.V.,

Some problems of subsurface geology. Biul.MOIP.Otd.geol. 36
no.6:98-99 N-D '61. (MIRA 15:7)
(Prospecting)

RADUGIN, K.V.

Early forms of archaocyathids. Mat.po geol.Zap.Sib. nc.63:7-10
'62. (MIRA 16:10)

RADUGIN, N., podpolkovnik, Garoy Sovetskogo Soyuzu

The commander writes an efficiency report... Koma. Vooruzh..

Sil 46 no.20:58 0 '65.

(MIRA 18:12)

RADUGIN, O.K.; SEMENOV, V.S.

Electromagnetic field of a horizontal coil situated above a
conducting magnetic half-space. Izv.vys.ucheb.zav.; fiz. no.5:30-
35 '61. (MIRA 14:10)

1. Sibirskiy fiziko-tekhnicheskiy institut pri Tomskom
gosudarstvennom universitete imeni V.V.Kuybysheva.
(Electromagnetism) (Electric coils)

Soil Science, Organic Fertilizers.

Journal, I. A.

Waste Water as Fertilizer

[illegible]

practices show the advantages of purifying waste waters in urban and irrigation fields in suburban Moscow; these fields take and purify waste waters throughout the year and yield high harvests of crops. When systematically irrigating with waste waters (everyday-household and mixed), the application to the soil of lime and/or is required; also, as was established by experiments on the Moscow experiments area and in collective farms of the Dniepropetrovsk rayon, Moscow district, when irrigating potatoes and vegetables the application of small doses of nitrogen fertilizers is necessary.

Prof. L. Sokolov

RADUGIN, Pavel Aleksandrovich; TAIROVA, V.N., red.; DEYEVA, V.M.,
tekhn.red.

[Early potatoes] Rannii karofel'. Moskva, Gos.izd-vo
sel'khoz.lit-ry, 1959. 84 p. (MIRA 13:4)
(Potatoes)

LYUBAVSKIY, A.V.; RADUGIN, P.A.

Utilize sewage in agriculture. NTO no.8:29-30 Ag '59.

(MIRA 12:11)

(Sewage as fertilizer)

KOROLEV, G.V.; MOGILEVICH, M.M.; RADUGIN, V.S.

Apparatus for the thermometric measurement of the rate of
film-formation. Lakokras.mat.i ikh prim. no.1:57-60 '63.
(MIRA 16:2)

(Films (Chemistry))
(Polymerization--Measurement)

ANOSOVA, L.N.; RADUGINA, L.P.

Itsenko-Cushing syndrome in a patient with hypoglycemia. Probl.
endok. i gorm. 9 no.5:106-108. S-0'63 (MIRA 16:12)

1. Iz kafedry endokrinologii (ispolnyayushchiy obyazannosti
zaveduyushchego - dotsent L.N.Anosova) Tsentral'nogo insti-
tuta usovershenstvovaniya vrachey na baze Klinicheskoy bol'-
nitsy imeni S.P. Botkina (glavnyy vrach - dotsent G. Antonov).

RADUGINA, Z.F., aspirant

Some blood indices in calves during the process of growth.
Veterinariia 41 no.3:69-70 Mr '65. (MIRA 18:4)

1. Iqazanskiy sel'skokhozyaystvennyy institut.

L 23050-65 EWT(m)/EWP(j)/T Pc-4 RM

ACCESSION NR: AP4047842

S/0153/64/007/004/0651/0654
11
B

AUTHOR: Radugina, Zh. V.; By*kov, A. N.; Bardina, G. M.

TITLE: Synthesis and investigation of certain colorless and colored polycarbamides. Communication VIII in a series of works in the area of producing and investigating properties of colored high molecular polymers

SOURCE: IVUZ. Khimiya i khimicheskaya tekhnologiya, v. 7, no. 4, 1964, 651-654

TOPIC TAGS: color polymer, chromatic high molecular polymer, color polycarbamide, fiber forming polycarbamide, aminoanthraquinone derivative, aminoanthraquinone coloring agent

ABSTRACT: The conditions were investigated for obtaining fiber-forming colorless and colored polycarbamides based on urea and hexamethylene diamine (HMDA) with 1,5-diaminoanthraquinone and alpha-aminoanthraquinone as the colored amine or alpha-aminoanthraquinone acylated with succinic acid as the dye. The molar ratios of urea: HMDA were varied. It was found that with equimolar amounts as high molecular insoluble material was obtained and with a 2:1 ratio a

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high molecular material amenable to fiber production was obtained. The condensations were effected under nitrogen; the temperature was raised from 115-245C in two hours and maintained at 245-250C thereafter. The yield of the high molecular fraction, melting 200-220C, increased with reaction time up to about 8 hours; thereafter the polymer properties deteriorated. Incorporation of up to 0.6% on the total weight of the monomers of 1,5-diaminoanthraquinone had practically no effect on yield, but did increase the fusion temperature and viscosity of the polymer somewhat. Polymerization with the other two coloring agents somewhat reduced the yield and the viscosity of the polycarbamide. The colored products were reprecipitated with acetone or dioxane without changing color. Absorption spectra were obtained. It was concluded that the dye was chemically bonded to the polycarbamide. Orig. art. has: 1 figure and 2 tables.

ASSOCIATION: Ivanovskiy khimiko-tekhnologicheskii institut, Kafedra tekhnologii khimicheskikh volokon (Ivanov Chemical-Technological Institute, Department of Chemical Fiber Technology)

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SUB CODE: GC, MT

Cord 2/2

ENCL: 00

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(HYPERTENSION, therapy

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(RADIOTHERAPY, in var.dis.

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(Continued on next card)

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